Indiana Public Retirement System **Executive Summary** Actuarial Valuations as of June 30, 2011



SUMMARY OF VALUATION RESULTS

			PERF		
		State	PSDs	Total	 1977 Fund
Valuation Summary:	-				
Actuarial Accrued Liability (AAL)					
ASA Account Balance ASA Annuities - Retiree/Beneficiary/Disabled				\$ 2,805,023,137 801,369,029	\$ 679,848,776
Pension - Retiree/Beneficiary/Disabled				4,569,417,231	970,676,496
Pension - Active and Inactive	\$	2,538,861,413	\$ 4,198,476,483	 6,737,337,896	 1,988,431,007
Total				\$ 14,913,147,293	\$ 3,638,956,279
Actuarial Value of Assets (AVA) ¹					
ASA Account Balance ASA Annuities - Retiree/Beneficiary/Disabled				\$ 2,805,023,137 801,369,029	\$ 679,848,776
Pension - Retiree/Beneficiary/Disabled				4,569,417,231	970,676,496
Pension - Active and Inactive		1,433,516,270	2,391,260,643	3,824,776,913	1,943,261,593
Total	,	-, 100,0,-,-	_,0)-,,10	\$ 12,000,586,310	\$ 3,593,786,865
Market Value of Assets (MVA)					
ASA Account Balance				\$ 2,805,023,137	\$ 679,848,776
ASA Annuities - Retiree/Beneficiary/Disabled				801,369,029	
Pension - Retiree/Beneficiary/Disabled				4,569,417,231	970,676,496
Pension - Active and Inactive		1,606,211,496	2,679,335,016	4,285,546,512	 2,070,841,180
Total				\$ 12,461,355,909	\$ 3,721,366,452
Unfunded Actuarial Accrued Liability: (AAL) - (AVA)					
ASA Account Balance				\$ -	\$ -
ASA Annuities - Retiree/Beneficiary/Disabled				-	
Pension - Retiree/Beneficiary/Disabled				-	-
Pension - Active and Inactive		1,105,345,143	1,807,215,840	 2,912,560,983	 45,169,414
Total				\$ 2,912,560,983	\$ 45,169,414
Funded Percentage: (AVA) / (AAL)					
ASA Account Balance				100.0%	100.0%
ASA Annuities - Retiree/Beneficiary/Disabled				100.0%	
Pension - Retiree/Beneficiary/Disabled			~.	100.0%	100.0%
Pension - Active and Inactive		56.5%	57.0%	 56.8%	 97.7%
Total				80.5%	98.8%

 $^{^{1}}$ AVA is based on four-year smoothing of gains and losses on the MVA, with a 20% corridor.

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		JRS		C&E Fund		PARF	L	EDB Fund
luation Summary:	_							
Actuarial Accrued Liability (AAL)								
ASA Account Balance	\$	24,359,001	\$	6,270,943	\$	21,591,820		
ASA Annuities - Retiree/Beneficiary/Disabled	*	1,000,7	Ť	-, , -,, 10	*	707 7		
Pension - Retiree/Beneficiary/Disabled		198,796,748		46,695,123		16,806,641	\$	3,037,280
Pension - Active and Inactive		177,117,795		48,567,782		14,853,913	,	1,583,555
Total	\$	400,273,544	\$	101,533,848	\$	53,252,374	\$	4,620,835
Actuarial Value of Assets (AVA) ¹								
ASA Account Balance	\$	24,359,001	\$	6,270,943	\$	21,591,820		
ASA Annuities - Retiree/Beneficiary/Disabled								
Pension - Retiree/Beneficiary/Disabled		198,796,748		46,695,123		4,059,642	\$	3,037,280
Pension - Active and Inactive		25,467,608		19,633,383		-		596,408
Total	\$	248,623,357	\$	72,599,449	\$	25,651,462	\$	3,633,688
Market Value of Assets (MVA)								
ASA Account Balance	\$	24,359,001	\$	6,270,943	\$	21,591,820		
ASA Annuities - Retiree/Beneficiary/Disabled								
Pension - Retiree/Beneficiary/Disabled		198,796,748		46,695,123		4,885,921	\$	3,037,280
Pension - Active and Inactive		33,830,004		22,339,674		-		607,552
Total	\$	256,985,753	\$	75,305,740	\$	26,477,741	\$	3,644,832
Unfunded Actuarial Accrued Liability: (AAL) - (AVA)								
ASA Account Balance	\$	-	\$	-	\$	-		
ASA Annuities - Retiree/Beneficiary/Disabled								
Pension - Retiree/Beneficiary/Disabled		-		-		12,746,999	\$	-
Pension - Active and Inactive		151,650,187		28,934,399		14,853,913		987,147
Total	\$	151,650,187	\$	28,934,399	\$	27,600,912	\$	987,147
Funded Percentage: (AVA) / (AAL)								
ASA Account Balance		100.0%		100.0%		100.0%		
ASA Annuities - Retiree/Beneficiary/Disabled								
Pension - Retiree/Beneficiary/Disabled		100.0%		100.0%		24.2%		100.0%
Pension - Active and Inactive		14.4%		40.4%		0.0%		37.7%
Total		62.1%		71.5%		48.2%		78.6%

 $^{^{\}mbox{\tiny 1}}$ AVA is based on four-year smoothing of gains and losses on the MVA, with a 20% corridor.

PERF							
	State		PSDs		Total		1977 Fund
						•	
	7/1/2012		1/1/2013				1/1/2013
\$	1,641,685,770	\$	3,177,087,910	\$	4,818,773,680	\$	687,342,353
\$	73,614,164	\$	179,392,537	\$	253,006,701	\$	123,438,234
	84,263,994		138,404,949		222,668,943		3,671,206
							(40,582,006)
\$	157,878,158	\$	317,797,486	\$	475,675,644	\$	86,527,434
	9.6%		10.0%		9.9%		12.6%
	9.7%		9.7%		9.7%		19.7%
\$	165,613,260	\$	327,967,445	\$	493,580,705	\$	142,060,854
	3.0%		3.0%		3.0%		6.0% 4
	7.0%		7.0%		7.0%		7.0%
	3.25% - 4.5%		3.25% - 4.5%		3.25% - 4.5%		3.25%
	1.0%		1.0%		1.0%		2.25%
	\$	7/1/2012 \$ 1,641,685,770 \$ 73,614,164 84,263,994 \$ 157,878,158 9.6% \$ 9.7% \$ 165,613,260 3.0% 7.0% 3.25% - 4.5%	7/1/2012 \$ 1,641,685,770 \$ \$ 73,614,164 \$ 84,263,994 \$ 157,878,158 \$ 9.6% \$ 9.7% \$ 165,613,260 \$ 3.0% 7.0% 3.25% - 4.5%	7/1/2012 1/1/2013 \$ 1,641,685,770 \$ 3,177,087,910 \$ 73,614,164 \$ 179,392,537 138,404,949 \$ 157,878,158 \$ 317,797,486 9.6% 10.0% \$ 9.7% 9.7% 9.7% \$ 165,613,260 \$ 327,967,445 3.0% 7.0% 7.0% 7.0% 3.25% - 4.5%	State PSDs 7/1/2012 1/1/2013 \$ 1,641,685,770 \$ 3,177,087,910 \$ 73,614,164 \$ 179,392,537 \$ 484,263,994 \$ 138,404,949 \$ 157,878,158 \$ 317,797,486 \$ 9.6% \$ 10.0% \$ 165,613,260 \$ 327,967,445 \$ 3.0% \$ 3.0% 7.0% \$ 7.0% 3.25% - 4.5% \$ 3.25% - 4.5%	State PSDs Total 7/1/2012 1/1/2013 \$ 1,641,685,770 \$ 3,177,087,910 \$ 4,818,773,680 \$ 73,614,164 84,263,994 \$ 179,392,537 138,404,949 \$ 253,006,701 222,668,943 \$ 157,878,158 9.6% \$ 317,797,486 10.0% \$ 475,675,644 9.9% \$ 9.7% 165,613,260 \$ 327,967,445 \$ 493,580,705 3.0% \$ 7.0% 3.25% - 4.5% \$ 3.25% - 4.5% \$ 3.25% - 4.5%	State PSDs Total 7/1/2012 1/1/2013 \$ 1,641,685,770 \$ 3,177,087,910 \$ 4,818,773,680 \$ \$ 73,614,164 \$ 179,392,537 \$ 253,006,701 \$ \$ 4,263,994 138,404,949 222,668,943 \$ \$ 157,878,158 \$ 317,797,486 \$ 475,675,644 \$ 9.6% 10.0% 9.9% \$ \$ 165,613,260 \$ 327,967,445 \$ 493,580,705 \$ 3.0% 3.0% 3.0% 3.0% 7.0% 7.0% 7.0% 3.25% - 4.5%

¹ The rates and contribution amounts shown were developed on a <u>funding</u> basis only and do not reflect accounting requirements.

² The Approved Contribution Rates shown are based on payroll as of June 30, 2011. The Approved Contribution Rate shown is the aggregate rate for Political Subdivisions.

³ Estimated Contribution Amounts for June 30, 2011 are based on projected payroll to the date contribution rates go into effect. The actual dollar amount of employer cost will depend on the actual payroll during fiscal year 2013 for the State, calendar year 2013 for the Political Subdivisions, and calendar year 2013 for the 1977 Fund.

⁴ Only members with less than 32 years of service contribute to the Fund.

	JRS	C&E Fund	PARF	LE	DB Fund
Employer Contributions:		_	 		_
Effective Date	7/1/2012	1/1/2013	7/1/2012		7/1/2012
Current Payroll	\$ 45,764,278	\$ 24,028,462	\$ 18,081,976		
Development of True Rate ¹					
Normal Cost (Beginning of Year)	\$ 15,281,754	\$ 3,377,658	\$ 1,381,736	\$	-
Amortization of Unfunded Actuarial Accrued Liability	11,873,696	2,260,987	2,148,558		90,550
Provision for Expenses					49,652 2
Employee Contributions	(2,678,007)	(961,138)	(1,084,919)		
Total Contribution Amount	\$ 24,477,443	\$ 4,677,507	\$ 2,445,375	\$	140,202 4
True Contribution Rate	53.5%	19.5%	13.5%		
Approved Funding Rate ¹					
Approved Contribution Rate ³	53.5%	20.75%	13.5%		
Estimated Contribution Amount	\$ 25,456,541 4	\$ 5,230,933 5	\$ 2,542,470 4	\$	140,202
Employee Contribution Rate	6.0% ⁶	4.0%	6.0%		
Assumptions:					
Valuation Interest Rate	7.0%	7.0%	7.0%		7.0%
Salary Scale	4.0%	3.25%	4.0%		3.0%
Cost-of-Living Assumption	4.0%	1.0%	N/A		1.0%

¹ The rates and contribution amounts shown were developed on a <u>funding</u> basis only and do not reflect accounting requirements.

² Set equal to the administrative expenses incurred in the prior year.

 $^{^3}$ The Approved Contribution Rates shown are based on payroll as of June 30, 2011.

⁴ Contribution amount is appropriated by the State. Estimated State Appropriations for June 30, 2011 are based on projected payroll for the applicable fiscal year.

⁵ Estimated Contribution Amounts for June 30, 2011 are based on projected payroll to the date contribution rates go into effect. The actual dollar amount of employer cost will depend on actual payroll during calendar year 2013.

⁶ Only members with less than 22 years of service contribute to the Fund.

	PERF 1					
	 State		PSDs		Total	 1977 Fund
Membership Statistics:						
Active						
Number	45,912		102,021		147,933	13,376
Average Age					47.6	41.1
Average Years of Service					11.4	13.6
Covered Payroll of Actives	\$ 1,641,685,770	\$	3,177,087,910	\$	4,818,773,680	\$ 687,342,353 ²
Inactive - Vested						
Number					20,933	126
Average Age					52.7	50.2
Average Years of Service					11.8	22.8
Inactive - Non-Vested						
Number					71,806	791
Retiree/Beneficiary/Disabled						
Number					70,380	2,966
Average Age					72.5	61.5
Annual Benefits Payable ³				\$	539,747,100	\$ 68,178,739
Total Membership					311,052	17,259

¹ Head counts reflect the record counts used in the valuation, which may include duplicate records for members (e.g. member may be a retiree and a beneficiary).

 $^{^{2}}$ For the 1977 Fund, payroll is the applicable first class officer pay for each member.

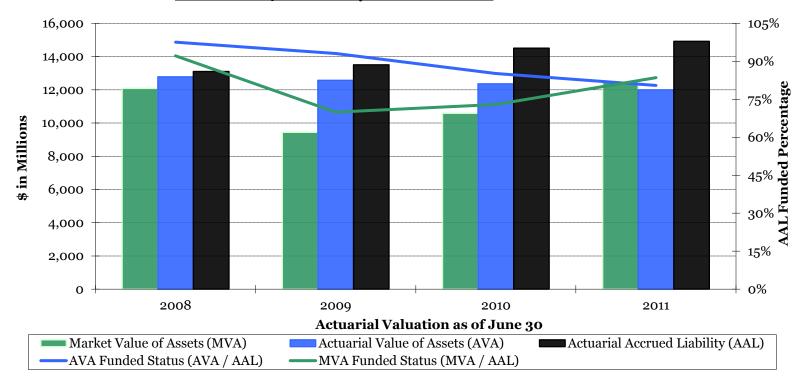
³ For PERF, the Annual Benefits Payable includes \$445,230,274 of employer funded annuities and \$84,516,826 of employee funded ASA annuities.

	 JRS	 C&E Fund	 PARF		LEDB Fund	
embership Statistics:						
Active						
Number	363	440	212		7	
Average Age	54.3	41.5	48.0		65.3	
Average Years of Service	8.3	10.9	9.0		6.6	
Covered Payroll of Actives	\$ 45,764,278	\$ 24,028,462	\$ 18,081,976			
Inactive - Vested						
Number	66	5	85		40	
Average Age	61.0	48.2	54.9		67.1	
Average Years of Service	18.1	20.5	12.3		7.4	
Inactive - Non-Vested						
Number	31	59	177		-	
Retiree/Beneficiary/Disabled						
Number	310	176	76		65	
Average Age	75.1	68.4	69.1		75.0	
Annual Benefits Payable	\$ 16,787,212	\$ 3,978,369	\$ 1,617,923	\$	355,782	
Total Membership	770	680	550		112	

¹ Average based on service before November 8, 1989.

HISTORICAL SUMMARY

Total PERF - 4 Year History of Funded Status 1

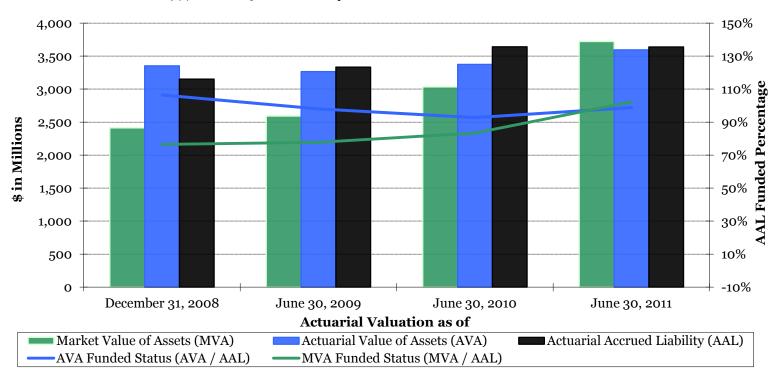


Actuarial Valuation as of June 30:	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>
Actuarial Accrued Liability (AAL)	\$13,103.2	\$13,506.3	\$14,506.1	\$14,913.1
Actuarial Value of Assets (AVA)	12,780.1	12,569.3	12,357.2	12,000.6
Market Value of Assets (MVA)	12,073.5	9,442.3	10,581.3	12,461.4
Unfunded Liability (AAL - AVA)	323.1	937.0	2,148.9	2,912.5
AVA Funded Status (AVA / AAL)	97.5%	93.1%	85.2%	80.5%
MVA Funded Status (MVA / AAL)	92.1%	69.9%	72.9%	83.6%

 $^{^{\}scriptscriptstyle 1}$ Valuation results prior to June 30, 2010 were calculated by the prior actuary.

HISTORICAL SUMMARY

1977 Fund - 4 Year History of Funded Status 1

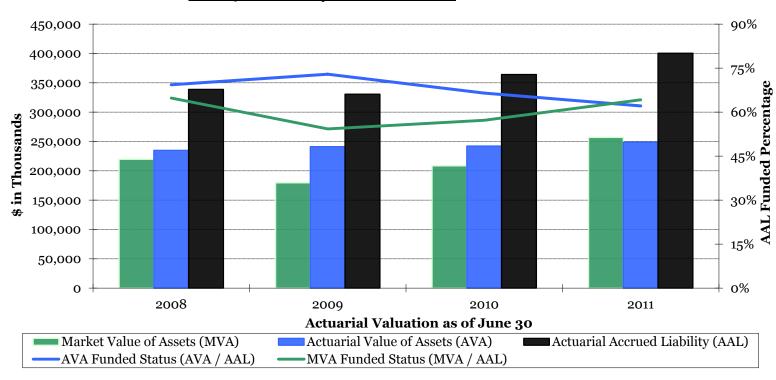


Actuarial Valuation as of:	<u>December 31, 2008</u>	<u>June 30, 2009</u>	June 30, 2010	<u>June 30, 2011</u>
Actuarial Accrued Liability (AAL)	\$3,150.8	\$3,332.7	\$3,639.7	\$3,639.0
Actuarial Value of Assets (AVA)	3,352.7	3,265.6	3,374.4	3,593.8
Market Value of Assets (MVA)	2,410.8	2,591.7	3,033.3	3,721.4
Unfunded Liability (AAL - AVA)	(201.9)	67.1	265.3	45.2
AVA Funded Status (AVA / AAL)	106.4%	98.0%	92.7%	98.8%
MVA Funded Status (MVA / AAL)	76.5%	77.8%	83.3%	102.3%

¹ Valuation results prior to June 30, 2010 were calculated by the prior actuary.

HISTORICAL SUMMARY

JRS - 4 Year History of Funded Status 1

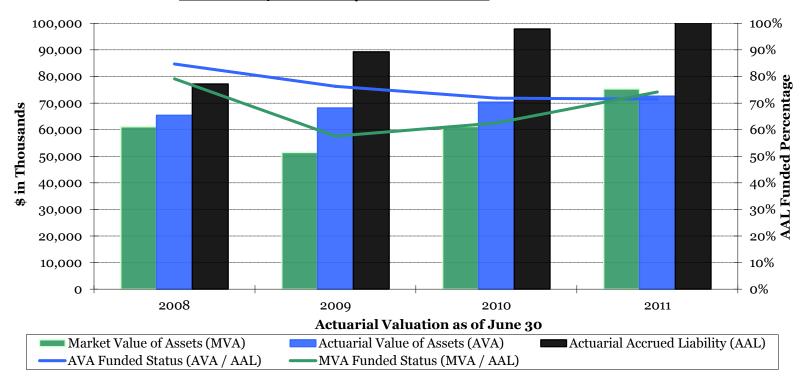


Actuarial Valuation as of June 30:	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>
Actuarial Accrued Liability (AAL)	\$338,749.0	\$330,551.2	\$364,122.7	\$400,273.5
Actuarial Value of Assets (AVA)	234,880.5	240,953.9	242,142.8	248,623.3
Market Value of Assets (MVA)	219,425.5	179,428.1	208,395.2	256,985.8
Unfunded Liability (AAL - AVA)	103,868.5	89,597.3	121,979.9	151,650.2
AVA Funded Status (AVA / AAL)	69.3%	72.9%	66.5%	62.1%
MVA Funded Status (MVA / AAL)	64.8%	54.3%	57.2%	64.2%

¹ Valuation results prior to June 30, 2010 were calculated by the prior actuary.

HISTORICAL SUMMARY

C&E Fund - 4 Year History of Funded Status 1

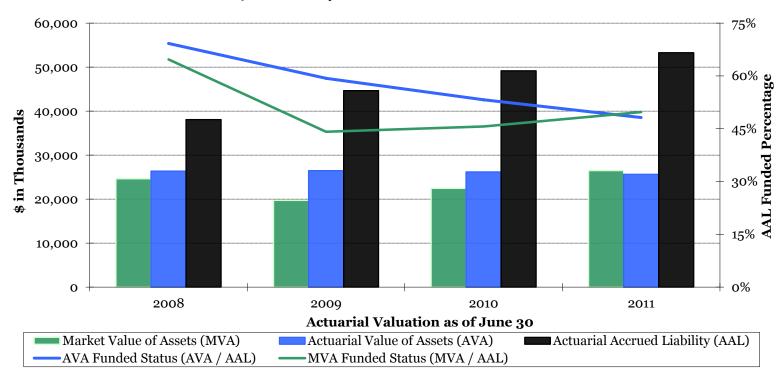


Actuarial Valuation as of June 30:	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>
Actuarial Accrued Liability (AAL)	\$77,176.7	\$89,295.6	\$97,861.6	\$101,533.8
Actuarial Value of Assets (AVA)	65,375.1	68,169.9	70,326.8	72,599.4
Market Value of Assets (MVA)	61,075.5	51,404.2	61,174.5	75,305.7
Unfunded Liability (AAL - AVA)	11,801.5	21,125.7	27,534.8	28,934.4
AVA Funded Status (AVA / AAL)	84.7%	76.3%	71.9%	71.5%
MVA Funded Status (MVA / AAL)	79.1%	57.6%	62.5%	74.2%

 $^{^{\}scriptscriptstyle 1}$ Valuation results prior to June 30, 2010 were calculated by the prior actuary.

HISTORICAL SUMMARY

PARF - 4 Year History of Funded Status 1

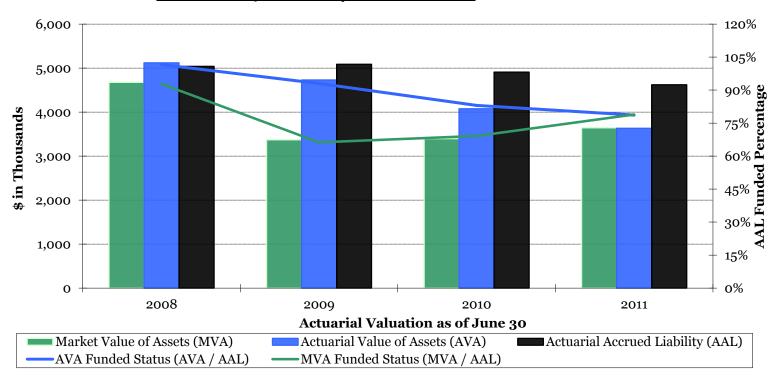


Actuarial Valuation as of June 30:	<u> 2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>
Actuarial Accrued Liability (AAL)	\$38,069.0	\$44,632.2	\$49,173.7	\$53,252.4
Actuarial Value of Assets (AVA)	26,350.5	26,466.7	26,166.3	25,651.5
Market Value of Assets (MVA)	24,613.0	19,695.8	22,431.0	26,477.7
Unfunded Liability (AAL - AVA)	11,718.5	18,165.5	23,007.4	27,600.9
AVA Funded Status (AVA / AAL)	69.2%	59.3%	53.2%	48.2%
MVA Funded Status (MVA / AAL)	64.7%	44.1%	45.6%	49.7%

¹ Valuation results prior to June 30, 2010 were calculated by the prior actuary.

HISTORICAL SUMMARY

LEDB Fund - 4 Year History of Funded Status 1



Actuarial Valuation as of June 30:	<u> 2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>
Actuarial Accrued Liability (AAL)	5,039.1	5,087.4	4,908.6	4,620.8
Actuarial Value of Assets (AVA)	5,120.0	4,730.4	4,074.6	3,633.7
Market Value of Assets (MVA)	4,674.5	3,369.0	3,395.5	3,644.8
Unfunded Liability (AAL - AVA)	(80.9)	357.0	834.0	987.1
AVA Funded Status (AVA / AAL)	101.6%	93.0%	83.0%	78.6%
MVA Funded Status (MVA / AAL)	92.8%	66.2%	69.2%	78.9%

¹ Valuation results prior to June 30, 2010 were calculated by the prior actuary.